

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1 (currently amended): A panel carrier, at least comprising:

a box, wherein interior lateral surfaces of the box have a plurality of cannelures and an interior of the box further comprises a bottom surface with cannelures thereon; and

a plurality of separate attaching elements, wherein two opposing ends of each attaching element are inserted independently receivable into any of the corresponding cannelures on the two opposing interior lateral surfaces to partition the interior of the box into a plurality of compartments of various sizes for accommodating panels of various sizes concurrently.

Claim 2 (canceled)

Claim 3 (previously presented): The panel carrier of claim 1, wherein the cannelures have a saw-tooth-like profile.

Claim 4 (previously presented): The panel carrier of claim 3, wherein each attaching element has a saw-tooth-like profile that matches the saw-tooth-like cannelures on the interior surface of the box.

Claim 5 (previously presented): The panel carrier of claim 1, wherein the interior lateral surfaces of the box furthermore comprises a plurality of dovetail grooves.

Claim 6 (previously presented): The panel carrier of claim 5, wherein one of the lateral surfaces of the attaching elements has a plurality of clamping sections for engaging with the corresponding dovetail grooves in the interior of the box.

Claim 7 (previously presented): The panel carrier of claim 6, wherein the clamping section comprises a crow-footed base.

Appl. No. 10/604,129
Examiner: Wang, George Y, Art Unit 2871
In response to the Office Action dated November 2, 2005

Date: February 1, 2006
Attorney Docket No. 10116081

Claim 8 (previously presented): The panel carrier of claim 1, wherein the two lateral surfaces of the attaching elements have a plurality of protruding edges such that any pair of the neighboring protruding edges constitutes a slot for accommodating a panel.

Claim 9 (currently amended): A panel carrier at least comprising:

a box, wherein interior lateral surfaces of the box have a plurality of cannelures; and
~~a plurality of separate attaching elements, wherein two ends of each attaching element are inserted into any of the corresponding cannelure of the two opposing interior lateral surfaces, and one of the lateral surface of the attaching elements has a plurality of protruding edges each attaching element comprising a plate and two opposing ends, wherein the two opposing ends of each attaching element are independently receivable into any of the corresponding cannelures on the two opposing interior lateral surfaces to partition the interior of the box into a plurality of compartments of various sizes, and at least one side of the plate comprises a plurality of protruding edges such that any pair of the neighboring protruding edges of adjacently disposed attaching elements constitutes a slot for accommodating a panel.~~

Claim 10 (previously presented): The panel carrier of claim 9, wherein the other lateral surface of the attaching elements has a plurality of clamping sections for engaging with the corresponding cannelures on the interior surfaces of the box.

Claim 11 (previously presented): The panel carrier of claim 1, wherein the box is fabricated using a material harder than the attaching elements.

Claims 12~24 (cancelled)

Claim 25 (new): The panel carrier of claim 1, wherein each attaching element further comprises a bottom end receivable in any of the cannelures of the bottom surface of the box.

Claim 26 (new): The panel carrier of claim 9, wherein the box further comprises a plurality of bottom cannelures corresponding to the cannelures on the two opposing interior lateral surfaces, and each attaching element further comprises a bottom end receivable in the bottom

Appl. No. 10/604,129
Examiner: Wang, George Y, Art Unit 2871
In response to the Office Action dated November 2, 2005

Date: February 1, 2006
Attorney Docket No. 10116081

cannelure corresponding to the cannelures on the two opposing interior lateral surfaces in which the attaching element is received.